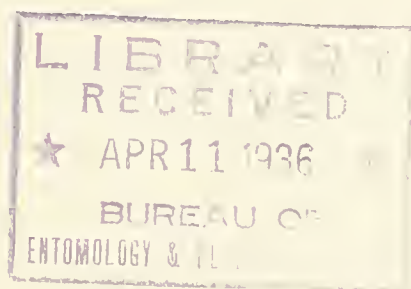


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THE INSECT PEST SURVEY
BULLETIN



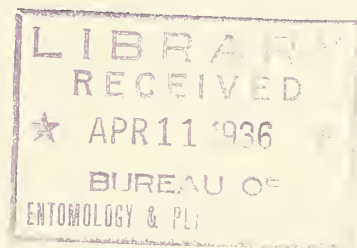
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CHINCH BUG ABUNDANCE IN HIBERNATION QUARTERS
NOVEMBER-DECEMBER 1935

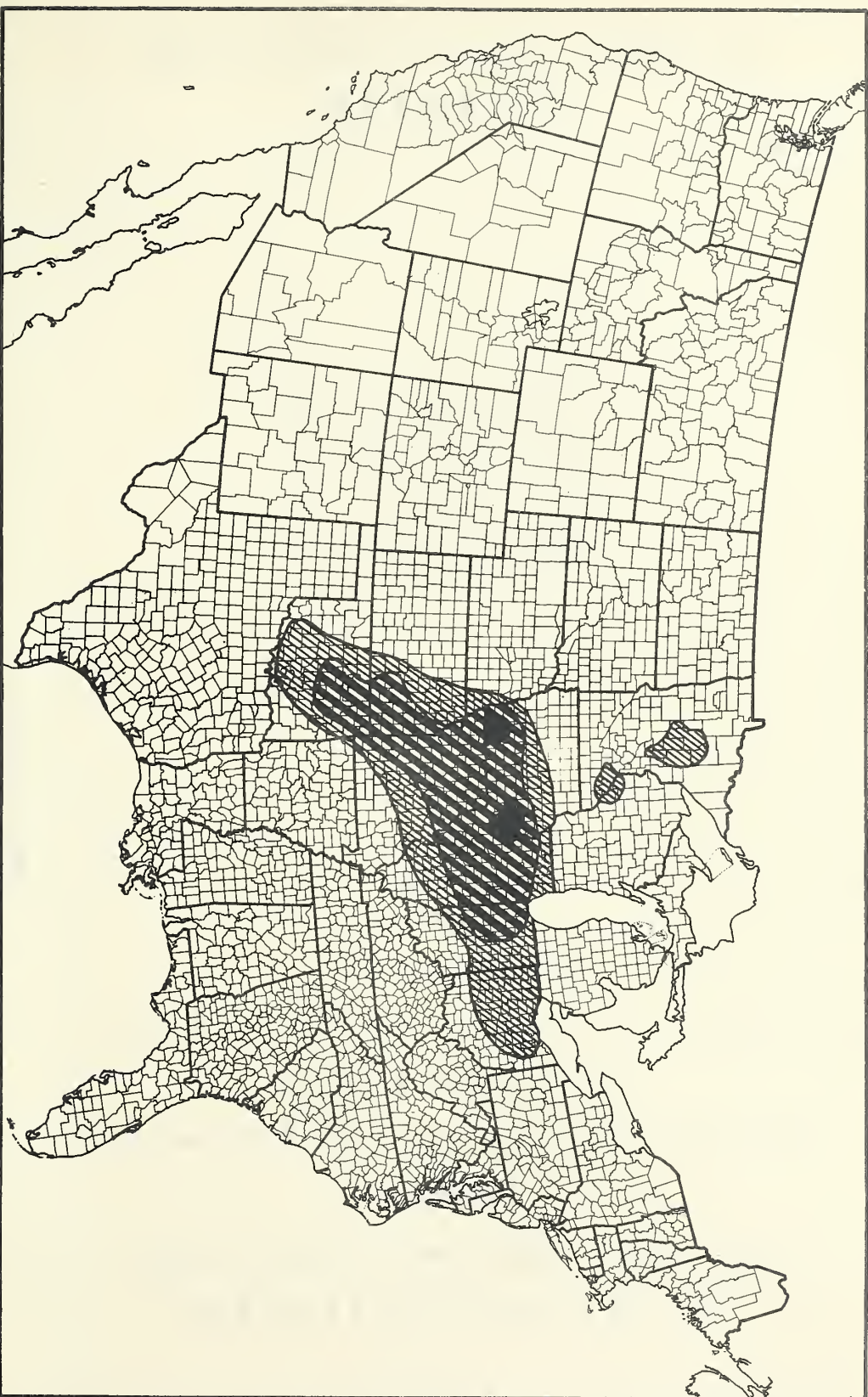
C. M. Packard, Senior Entomologist,
Bureau of Entomology and Plant Quarantine,
United States Department of Agriculture

The accompanying map is based on early winter surveys of the area infested by chinch bugs in 1935 and adjacent areas, conducted by the State entomologists of Michigan, Ohio, Indiana, Illinois, Wisconsin, Minnesota, Iowa, Missouri, Nebraska, Kansas, and Oklahoma, either in cooperation with the Bureau of Entomology and Plant Quarantine or entirely on State funds. These surveys were supplemented by reports from State and Federal entomologists. Most of the surveys were based on hibernating bugs. Some of the information, however, was based on the infestation in standing corn late in the season. In view of the varied conditions and types of cover in different regions and unavoidable differences in survey methods the degrees of severity indicated on the map are only approximate.

Hibernating populations in general are considerably lighter than they were a year ago and the area in which chinch bugs are present in dangerous numbers is considerably less. Fragmentary reports from Iowa, Illinois, and Indiana also indicate a winter mortality of about 50 percent over a rather extended area. The prospect of severe and widespread injury in 1936 is, therefore, decidedly less threatening than in 1935. At the same time, the bugs are still so numerous that spotted injurious infestations in several States, with rather severe and general infestation in the heart of the Corn Belt, may occur if spring and early summer weather conditions are favorable to chinch bug activity.

CHINCH BUG ABUNDANCE IN HIBERNATION QUARTERS

Based on surveys made in November and December 1935
by the Bureau of Entomology and Plant Quarantine in cooperation with the infested States



Scant to moderate. Injury likely only if 1936 season is favorable.



Abundant. Some injury likely if 1936 season is average.



Very abundant. Injury likely, even if 1936 season is unfavorable.

